SEQUENCE LISTING

<110> Crisanti, Andrea

<120> Conjugates that Contain the Homeodomain of Antennapedia

<130> GJE-39

<140> US 09/486,676

<141> 2000-03-01

<150> GB 9718609.2

<151> 1997-02-02

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 60

<212> PRT

<213> Drosophila sp.

<400> 1

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Arg Lys Arg Gly Arg Gln Thr Tyr Thr Arg Tyr Gln Thr Leu Glu Leu
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Glu Lys Glu Phe His Phe Asn Arg Tyr Leu Thr Arg Arg Arg Arg Ile
            20                  25                  30

Glu Ile Ala His Ala Leu Cys Leu Thr Glu Arg Gln Ile Lys Ile Trp
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Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Glu Asn
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<210> 2

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<212> PRT

<213> Artificial Sequence

<220>

<223> Six histidine tail fused to conjugate for purification

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His His His His His His Gly Ser
1 5

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Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
1 5 10 15

<210> 4

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<220>

<223> Variant sequence of helix 3. Must have between
6 and 10 hydrophobic amino acids.

<220>

<221> MISC_FEATURE

<222> (1)..(5)

<223> Can be any alpha-amino acid.

<220>

<221> MISC_FEATURE

<222> (7)..(16)

<223> Can be any alpha-amino acid.

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Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

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<211> 16

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<223> Variant sequence of helix 3. Must have between
6 and 10 hydrophobic amino acids.

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<221> MISC_FEATURE

<222> (1)..(10)

<223> Can be any alpha-amino acid.

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<223> Can be any alpha-amino acid.

<400> 5

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa
1 5 10 15

<210> 6

<211> 35

<212> PRT

<213> Drosophila sp.

<400> 6

Leu Thr Arg Arg Arg Arg Ile Glu Ile Ala His Ala Leu Cys Leu Thr
1 5 10 15

Glu Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
20 25 30

Lys Glu Asn
35

<210> 7

<211> 35

<212> PRT

<213> Drosophila sp.

<400> 7

Leu Thr Arg Arg Arg Arg Ile Glu Ile Ala Tyr Ala Leu Cys Leu Thr
1 5 10 15

Glu Arg Gln Ile Lys Ile Trp Phe Ala Asn Arg Arg Met Lys Trp Lys
20 25 30

Lys Glu Asn
35

<210> 8

<211> 35

<212> PRT

<213> Drosophila sp.

<400> 8

Leu Thr Arg Arg Arg Arg Ile Glu Ile Ala His Ala Leu Cys Pro Pro
1 5 10 15

Glu Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
20 25 30

Lys Glu Asn
35

<210> 9

<211> 4

<212> PRT

<213> Artificial Sequence

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<223> Factor Xa cleavage sequence.

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Ile Glu Gly Arg
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<210> 10

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<212> PRT

<213> Artificial Sequence

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<223> Enterokinase cleavage sequence.

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Asp Asp Asp Asp Lys
1 5

<210> 11

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Thrombin cleavage sequence.

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Leu Val Pro Arg Gly
1 5

<210> 12

<211> 17

<212> DNA

<213> Artificial Sequence

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<223> GAL4 DNA binding domain.

<400> 12
cggaggacag tcctccg 17